

What is claimed:

- 1) A sterile transfer device for fluids comprised of a body having a bore formed through at least a portion of its interior, a movable plunger contained within the bore, the body having a first and a second end, the first end containing a face designed to be attached to the upstream component, the second end being connected to a downstream component, the plunger having a corresponding first and second end, the first end of the plunger when in a closed position being in alignment with the face of the body, which combined, form a steamable surface and a sterile barrier against the environment to the rest of the interior of the body, the plunger and downstream components.
- 2) The device of claim 1 wherein the bore is a central bore formed through the entire length of the body.
- 3) The device of claim 1 wherein the fluid is selected from the group consisting of liquids and gases.
- 4) The device of claim 1 wherein the device is formed of a plastic selected from the group consisting of polyetherimides(PEI), PEEK, PEK, polysulphones, polyarylsulphones, polyalkoxysulphones, polyethersulphones, polyphenyleneoxide, polyphenylenesulphide and blends thereof.
- 5) The device of claim 1 wherein the device is formed of polyetherimides(PEI).
- 6) The device of claim 1 wherein the device is capable of forming a sterile to sterile connection.
- 7) The device of claim 1 wherein the device is capable of forming a sterile to non- sterile connection.
- 8) The device of claim 1 wherein the first end containing a face has a liquid impermeable steam resistant layer attached to it.
- 9) The device of claim 1 wherein the first end containing a face has a liquid impermeable steam resistant layer attached to it and wherein the layer is selected from the group consisting of plastic and metal foils.
- 10) The device of claim 1 wherein the first end containing a face has a liquid impermeable steam resistant layer attached to it and wherein the layer is selected from the group consisting of plastic and metal foils selected from the group consisting of PEI, PEEK, polysulphones, aluminum and stainless steel.